(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 20 January 2005 (20.01.2005)

PCT

(10) International Publication Number WO 2005/006520 A1

(51) International Patent Classification⁷: 1/27, F04B 39/02

H02K 21/46,

(21) International Application Number:

PCT/JP2004/005541

(22) International Filing Date:

19 April 2004 (19.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

9 July 2003 (09.07.2003) JP

2003-194218 2003-353461

14 October 2003 (14.10.2003) JP

- (71) Applicant (for all designated States except US): MAT-SUSHITA ELECTRIC INDUSTRIAL CO. LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka, 5718501 (JP).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LDA, Keizo; 1006, Oaza Kadoma, Kadoma-shi, Osaka, 5718501.
- (74) Agents: IWAHASHI, Fumio et al.; c/o Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma-shi, Osaka, 5718501 (JP).

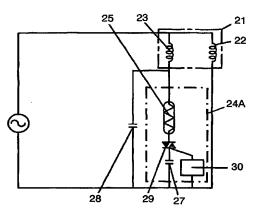
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYNCRONOUS INDUCTION MOTOR AND ELECTRIC HERMETIC COMPRESSOR USING THE SAME



(57) Abstract: A synchronous induction motor has a stator having a main winding and an auxiliary winding; a rotor having a yoke, a permanent magnet embedded in the yoke and a secondary conductor provided in the vicinity of periphery of the yoke; and a starter. The starter has a starting capacitor connected in series with the auxiliary winding of the synchronous induction motor, and a switching unit to open/ close a circuit from the starting capacitor to the auxiliary winding. The switching unit closes the circuit from the starting capacitor to the auxiliary winding when the synchronous induction motor is at rest, and opens the circuit after the synchronous induction motor is started. The synchronous induction motor is highly efficient and easy to re-start with low power consumption. The electric hermetic compressor equipped with the synchronous induction motor can perform with the similar effects.

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	200 Form DOT/ID 1/200
P00033381-P0	ACTION as	see Form PCT/ISA/220 s well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year	(Earliest) Priority Date (day/month/year)
PCT/JP2004/005541	19/04/2004	09/07/2003
Applicant		
MATSUSHITA ELECTRIC INDUST		
PRATSOSATIA ELECTRIC INDUST	TRIAL CO., LTD.	
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Basis of the report a. With regard to the language, the language in which it was filed unle	international search was carried out on the ess otherwise indicated under this item.	e basis of the international application in the
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	5 20.1(<i>b</i>)).	anslation of the International application furnished to
b. With regard to any nucleo	tide and/or amino acid sequence disclo	sed in the international application, see Box No. I.
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b. none of the figures is to be	Authority, because this figure better charac published with the abstract.	степzes the invention.

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H02K21/46 H02K1/27

F04B39/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H02K} & \mbox{F04B} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 246 348 A (SANYO ELECTRIC CO) 2 October 2002 (2002-10-02) paragraphs '0052!, '0053!; figure 3 paragraphs '0053!, '0070! paragraphs '0072!, '0071! paragraph '0162!; figure 54	1,9
(paragraphs '0140!, '0142!, '0166!; figure 56	2-8, 10-16
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.				
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Date of the actual completion of the international search 26 August 2004	Date of mailing of the international search report 06/09/2004				
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Kanelis, K				

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